

What is claimed is:

1. A substrate for microarray which is used for a detection of a biological substance in a biological sample, comprising:

a sample fixing part of a vessel-like shape having at least a planar bottom part on which the biological sample is fixed on a plurality of spots and a wall part which rises from a periphery of the bottom part; and

a supporting part that supports the sample fixing part at a predetermined height to make the bottom part horizontal.

2. The substrate for microarray according to claim 1, wherein the sample fixing part is a depression formed in a flat plate, and

the supporting part is a peripheral wall extending downward from a periphery of the flat plate, and

the flat plate is supported by an upper edge of the peripheral wall.

3. The substrate for microarray according to claim 1, wherein the substrate for microarray further comprises one or both of a protrusion part and a depression part in an upper part of the substrate for microarray, and

when a plurality of the substrates for microarray are superimposed one on another, one or both of the protrusion part and the depression part is fitted with a lower part of another substrate for microarray.

4. The substrate for microarray according to claim 2, wherein the substrate for microarray further comprises one or both of a protrusion part and a depression part in an

upper part of the substrate for microarray, and

when a plurality of the substrates for microarray are superimposed one on another, one or both of the protrusion part and the depression part is fitted with a lower part of another substrate for microarray.

5. The substrate for microarray according to any one of claims 1 to 4, which further comprises a connecting part,

wherein when the sample fixing part and the supporting part are taken for one unit, a plurality of the units are connected in the horizontal direction through the connecting part, respectively.

6. The substrate for microarray according to claim 5,

wherein the substrate for microarray further comprises a groove between any two adjacent units, and

the groove prevents a liquid flowing from the sample fixing part of one unit to the sample fixing part of another unit.

7. The substrate for microarray according to any one of claims 1 to 4,

wherein the substrate for microarray is:

fixed to a fixing stand having on the top thereof one or both of a protrusion part and a depression part which fits to a lower part of the substrate for microarray, and

fixed to the fixing stand by fitting the lower part of the substrate for microarray to one or both of the protrusion part and the depression part.

8. The substrate for microarray according to claim 7,

wherein the fixing stand has a plurality of one or both

the protrusion parts and the depression parts for enabling arrangement of a plurality of the substrates for microarray in the horizontal direction.